IN THE CLAIMS:

Please add the following new claims:

22.   A method of transmitting data across a communications network having multiple channels, comprising:

establishing a bandwidth for transmission of data;

determining a modulation scheme and symbol rate as a function of said establishing said bandwidth; and

selecting at least one channel from said multiple channels to transmit said data.

23.   The method as recited in Claim 22 further comprising determining a priority status of said data.

24.   The method as recited in Claim 23 further comprising modifying at least one of said modulation scheme and symbol rate in accordance with said priority status of said data.

25.   The method as recited in Claim 22 further comprising comparing an interference associated with said multiple channels to a threshold.

26.   The method as recited in Claim 25 further comprising filtering out ones of said multiple channels experiencing interference above said threshold.

27.   The method as recited in Claim 25 wherein said threshold is a function of said establishing said bandwidth.

28.   The method as recited in Claim 22 further comprising transmitting said data over said at least one channel using said modulation scheme and symbol rate.

29.   The method as recited in Claim 28 wherein said transmitting comprises transmitting said data over multiple contiguous channels.

30.   The method as recited in Claim 22 wherein said communications network is a wireless local area network.